

Query: 28	YQVLYQLNPGALGVNLVVEEMETKVKHVIQV--ECMDDHYASQALEELMPLLLKLRHAHI	85
Sbjct: 1	YELLEVLGKGAFGVYLARDKKTGKLVAIKVIKKEKLEKKRERILREIKILKKLDHPNI	60
Query: 86	SVYQELFITWNGEISSLYLCLVMEF-NELSFQEVIEDKRKAKKIIDSEWMQNVLGVLDAL	144
Sbjct: 61	VKLYDVFEKD-----KLYLVMEYCEGGDLFDLL---KRGRLSEDEARFYARQILSA	110
Query: 145	LEYLHHLDIHRNLKPSNIILISSDHCKLQDLSSNVLMTDKAKWNIRAEEDPFRKSWMAP	204
Sbjct: 111	LEYLHSGNGIIHRDLKPENILLSDGHVKLADFLAKQLDSGGTLLTTFFVGTP-----YMAP	167
Query: 205	EALNF-SFSQSDIWSLGCIIIDMTSCS--FMDGTEAMHLRKSILRQSPGSLKAVLKTWEE	261
Sbjct: 168	EVLGKGYGKAVDIWSLGVILYELLTGKPPFGDDQDLDAFKKIGKPP-----PPPPP	220
Query: 262	KQIPDVETFRNLLPLMLQIDPDRITIKDVVHITFL	297
Sbjct: 221	PEWKISPEAKDLIKKLLVKDPEKRLTAEEALEHPFF	256

FIG. 1

Query: 28	YQVLYQLNPGALGVNLVVEEMETKVKHVIQVCEMDDHYASQALEELMPLLLKLRHAHISV	87
Sbjct: 1	YELGEKLGSGSFGKVKYKGGKHTGTEIVAIIKKLESIKEKRFLEIRILRRLSHPNIVR	60
Query: 88	YQELFITWNGEISSLYLCLVMEF-NELSFQEVIEDKRKAKKIIDSEWMQNVLGVLDAL	146
Sbjct: 61	LIGVFEE-----DDHLYLVMEYMEGGDLFDYL---RRNGLLLSEKAKKIALQILRGLE	111
Query: 147	YLHHLDIHRNLKPSNIILISSDHCKLQD--LSSNVLMTDKAKWNIRAEEDPFRKSWMAP	204
Sbjct: 112	YLHSGIVHRDLKPENILLDENGTVKIADFLARLLKSSYSKLTTFVGTP-----YMAP	166
Query: 205	EALNFS-FSQKSDIWSLGCIIIDMTSCSFMGTEAMHLRKSILRQSPGSLKAVLKTWEEKQ	263
Sbjct: 167	EVLEGRGYSSKVDVWSLGVLYEL-----LTGKPPFGIDPLEELFRIIKRGLRLPLPPN	221
Query: 264	IPDVETFRNLLPLMLQIDPDRITIKDVV-HITF	296
Sbjct: 222	CS--EELKDLIKCLNKDPEKRPTAKEILNHPWF	253

FIG. 2

Query: 59	VECMDDHYASQALEELMP----	LLKLRHAHISVYQELFITWNGEISSLYLCLVMEFNEL-	113
Sbjct: 32	VKTLKEDASEQQIEEFLREAKIMRKLDHPNI--VKLLGVC----	TEEEPLMIVMEYMEGG	85
Query: 114	SFQEVIEDKRRKAKKIIDSEWQNVLGQVLDALAYLHHLDIIHRNLKPSNIILISSDHCKL	173	
Sbjct: 86	DLDDYLRRKNRP--KELSLSDLLSFALQIARGMEYLESKNFVHRDLAARNCLVGENKTVKI	143	
Query: 174	QDLSSNVLMTDKAKWNIRAEEDPRKSWMAPEALNFS-FSQKSDIWSLGCIIIDMTSCSF	232	
Sbjct: 144	ADFGLSRDLYSDDYYKVGKKLPIR--WMAPESELKEGKFTSKSDVWSFGVLLWEI----	197	
Query: 233	MDGTEAMHLRKSRLRQSPGSLKAVLKTMEEKQIPDVETFRNLLPLMLQI----	289	
Sbjct: 198	TLGESP-YPGNSNEE----VLEYLKKGYRLPOPP-NCPDEIYDMLQCWAEDEDRPSFS	251	
Query: 290	DVVHI	294	
Sbjct: 252	ELVER	256	

FIG. 3

Query: 25 MEKYQVLYQLNPGALGVNLVVEEMETKVHKVIKQVEC--MDDHYASQALEELMPLLLKLRH 82
ME+Y+VL Q+ G+ G L+V+ K K+V+K++ D A +E + ++R+
Sbjct: 1 MEQYEVLEQIGKGSFGSALLVKHKHEKKYVLKIRLARQTD RSRSSAHQEKELISRIN 60

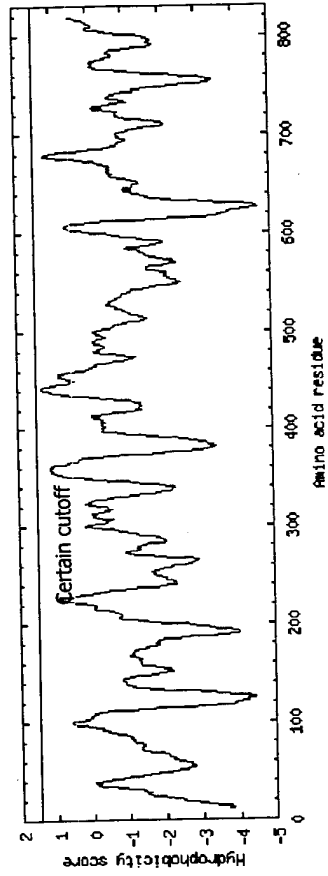
Query: 83 AHISVYQELFITWNGEISSLYLCLVMEFNELSFQEVIEDKRKAKKI-IDSEWMQNVLGQV 141
I Y++ ++ Y+C+++ + E ++ E +KA + E + L Q+
Sbjct: 61 PFIVEYKDSWE-----KGCYVCIIIGYCEGG--DMAEAIKANGVHFPEEKLCCKWLVLQ 113

Query: 142 LDALEYLHLDIIHRNLKPSNIIILSSDHCKIQDLS-SNVLMTDKAKWNIRAEEDPFRKS 200
L AL+YLH I+HR++K SNI L +L D + +L +D ++ S
Sbjct: 114 LMALDYLMNHILHRDVKCSNIFLTGQDIRLGDFGLAKILTSDDLASSVVG-----PS 168

Query: 201 WMAPEAL-NFSFSQSDIWSLGCIIILDMTSCSFMDGTEAMHLRKSILRQSPGSLKAVLKT 259
+M PE L + + KSDIWSLGC I +MT S +A ++ + + S+ A L T
Sbjct: 169 YMCPELLADIPYGSQSDIWSLGCIIYEMT--SLKPAFKAFDMQALINKINKSIVAPLPTK 226

Query: 260 EEKQIPDVETFRNLLPLMLQIDPSDR 285
FR L+ ML+ +P R
Sbjct: 227 YSG-----AFRGLVKSMLEKKNPELR 246

FIG. 4



GES		
Peak Range	Peak Type	Peak Height
100 - 101	Putative	0.577
223 - 228	Putative	0.942
351 - 365	Putative	1.110
435 - 447	Putative	1.319
451 - 458	Putative	0.881
604 - 608	Putative	0.646
676 - 682	Putative	1.216
820 - 820	Putative	0.512

FIG. 5